

Supplementary table 4: Results of the initial inner model, summarizing the relationships between each latent variable (LV) and its block of indicators. The output shows the coefficient estimates of each indicator of the LV, standard error, the t-value associated with testing the significance of the parameter listed in the first column and $\Pr(>|t|)$ that gives you the p-value for that t-test.

	Estimate	Std. Error	t-value	$\Pr(> t)$
Helminths				
Intercept	3.98E-16	0.124	3.22E-15	1
Fasting	3.38E-01	0.124	2.74E+00	0.00817
Cortisol				
Intercept	2.32E-16	0.111	2.09E-15	1
Fasting	4.04E-01	0.118	3.43E+00	0.00112
Helminths	2.56E-01	0.118	2.18E+00	0.03369
Body condition				
Intercept	-3.90E-16	0.0972	-4.01E-15	1.00E+00
Fasting	-6.02E-01	0.1033	-5.83E+00	2.76E-07
Helminths	-1.71E-01	0.1033	-1.65E+00	1.04E-01
Anti-oxidants				
Intercept	-5.47E-15	0.11	-4.97E-14	1.00E+00
Fasting	5.45E-01	0.11	4.95E+00	6.71E-06
Oxidants				
Intercept	-2.63E-15	0.114	-2.30E-14	1
Fasting	-1.37E-01	0.136	-1.01E+00	0.31731
Anti-oxidants	-4.18E-01	0.136	-3.07E+00	0.00329
Proliferative lesions				
Intercept	4.05E-16	0.123	3.30E-15	1
Fasting	4.04E-01	0.144	2.81E+00	0.0069
hkMm	1.25E-01	0.129	9.67E-01	0.3377
Helminths	-2.49E-01	0.138	-1.81E+00	0.0764
Cortisol	-1.67E-01	0.153	-1.09E+00	0.2803
Exudative lesions				
Intercept	-8.68E-17	0.13	-6.68E-16	1
Fasting	5.90E-02	0.165	3.58E-01	0.7219
hkMm	-2.37E-01	0.138	-1.71E+00	0.0927
Helminths	-7.36E-02	0.151	-4.88E-01	0.6274
Cortisol	-1.34E-01	0.173	-7.74E-01	0.4422
Oxidants	-7.22E-02	0.151	-4.78E-01	0.6349
Proliferative lesions	1.77E-01	0.143	1.24E+00	0.2204
Bacillary Load				
Intercept	2.29E-15	0.117	1.96E-14	1
hkMm	-8.38E-02	0.125	-6.73E-01	0.50389
Helminths	-1.47E-01	0.13	-1.13E+00	0.26248
Cortisol	-1.55E-01	0.151	-1.03E+00	0.30963
Anti-oxidants	2.84E-01	0.14	2.03E+00	0.04737
Exudative lesions	4.02E-01	0.12	3.34E+00	0.00154